

AMENDMENTS TO THE CLAIMS:

This listing of claims will replace all prior versions and listings of claims in the application:

1. – 59. CANCELLED

60. (Currently Amended) A fuel composition, comprising:

a middle distillate fuel;

an oxygenate selected from the group consisting of the following:

~~dimethyl ether (DME), butyl ether, amyl ether, di-n-butyl ether, glyme polyethers, diethylene glycol methyl ether (DGME), triethylene glycol dimethyl ether (triglyme), diethylene glycol dimethyl ether (diglyme), 1,2-dimethoxyethane (glyme), Cetaner (a blend of 96% glyme and 4% dimethoxymethane), ethylene glycol mono-tert-butyl ether, ethylene glycol mono-n-butyl ether, carbonates, diacetates, ethylene glycol acetate, acetals, 2-ethylhexylacetate, methanol, isopropanol, butanol, carbonates, di-acetates, acetals, 2-ethylhexylacetate,~~ and mixtures of one or more of the foregoing; and

a hydrocarbon additive described by the formula $R_1 R_2 CH-CH_2 - X$, wherein X is a polar functional group selected from the group consisting of the characteristic moieties of the following: alcohols, alkyl esters, carboxylic acids, ketones, aldehydes, amines, amine esters, nitro-, and nitrite-compounds, nitrate esters, phenols, and mixtures of one or more of the foregoing; and R_1 and R_2 are different alkyl groups of carbon chain length of from two to about thirty carbon atoms appended to the carbon molecule beta to the polar functional group, and

wherein the fuel has a sulfur content of about 20 ppm or less, the amount of hydrocarbon additive is 500 to 2500 parts by volume per million parts of fuel, and wherein the amount of peroxides in the fuel composition is less than about 8 ppm.

61.– 62. CANCELLED

63. (Previously Presented) The fuel composition as described in claim 60, wherein the oxygenate is selected from the group consisting of dimethyl carbonate, diethyl carbonate, ethylene glycol acetate, dimethoxymethane (DMM or methyl-al), 2-ethylhexylacetate, and mixtures of one or more of the foregoing.

64.– 65. CANCELLED